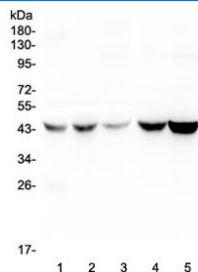


## Alpha 1 microglobulin Antibody / AMBP / Bikunin (RQ4535)

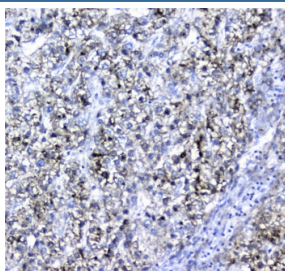
| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| RQ4535      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

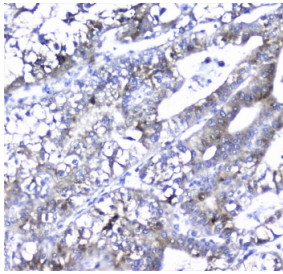
|                           |                                                                                                               |
|---------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                                                             |
| <b>Species Reactivity</b> | Human                                                                                                         |
| <b>Format</b>             | Antigen affinity purified                                                                                     |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                                                                    |
| <b>Isotype</b>            | Rabbit IgG                                                                                                    |
| <b>Purity</b>             | Antigen affinity purified                                                                                     |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide                                             |
| <b>UniProt</b>            | P02760                                                                                                        |
| <b>Localization</b>       | Secreted                                                                                                      |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml<br>IHC (FFPE) : 1-2ug/ml<br>Direct ELISA : 0.1-0.5ug/ml (human recombinant protein) |
| <b>Limitations</b>        | This Alpha 1 microglobulin antibody is available for research use only.                                       |



Western blot testing of human 1) placenta, 2) HEp-2, 3) HeLa, 4) A549 and 5) PANC-1 lysate with Alpha 1 microglobulin antibody at 0.5ug/ml. Predicted molecular weight: 26-28 kDa (Alpha 1 microglobulin), ~39 kDa (uncleaved AMBP). These proteins may be observed at higher molecular weights due to glycosylation.



IHC staining of FFPE human liver cancer with Alpha 1 microglobulin antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



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## Description

Protein AMBP is a protein that in humans is encoded by the AMBP gene. This gene encodes a complex glycoprotein secreted in plasma. The precursor is proteolytically processed into distinct functioning proteins: alpha-1-microglobulin, which belongs to the superfamily of lipocalin transport proteins and may play a role in the regulation of inflammatory processes, and bikunin, which is a urinary trypsin inhibitor belonging to the superfamily of Kunitz-type protease inhibitors and plays an important role in many physiological and pathological processes. This gene is located on chromosome 9 in a cluster of lipocalin genes.

## Application Notes

Optimal dilution of the Alpha 1 microglobulin antibody should be determined by the researcher.

## Immunogen

Amino acids G20-V203 from the human protein were used as the immunogen for the Alpha 1 microglobulin antibody.

## Storage

After reconstitution, the Alpha 1 microglobulin antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.